

Docket No.: M1885.0022/P022-B
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Carlo Dall'Aglia et al.

Application No.: Not Yet Assigned

Prior Group Art Unit: 2859

Filed: June 7, 2001

Prior Examiner: R. Gibson

For: APPARATUS FOR CHECKING
DIAMETRAL DIMENSIONS OF
CYLINDRICAL PARTS WITH AN
ORBITAL MOTION (As Amended)

Continuation of 09/533,784
filed March 24, 2000



Handwritten note: **File Priority 10/2/01**

CLAIM FOR PRIORITY

Commissioner for Patents
Washington, D.C. 20231


Dear Sir:

Applicants hereby claim priority under 35 U.S.C. § 119 based on the following prior foreign application filed in the following foreign countries on the dates indicated:

<u>Country</u>	<u>Application No.</u>	<u>Date</u>
Italy	BO95A000469	October 3, 1995

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Respectfully submitted,

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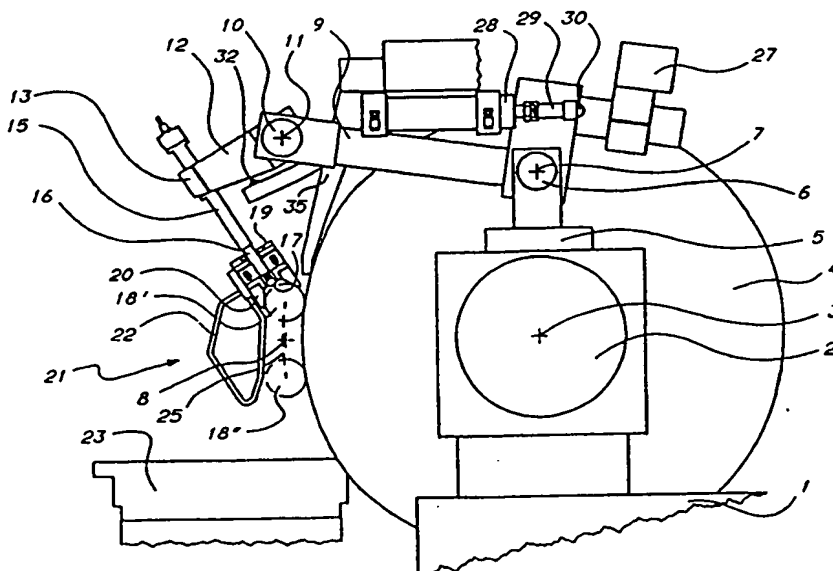
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<p>(51) International Patent Classification ⁶ : B24B 5/42, 49/04</p>	<p>A1</p>	<p>(11) International Publication Number: WO 97/12724 (43) International Publication Date: 10 April 1997 (10.04.97)</p>
<p>(21) International Application Number: PCT/EP96/04147 (22) International Filing Date: 23 September 1996 (23.09.96) (30) Priority Data: BO95A000469 3 October 1995 (03.10.95) IT (71) Applicant (for all designated States except US): MARPOSS SOCIETA' PER AZIONI [IT/IT]; Via Saliceto, 13, I-40010 Bentivoglio (IT). (72) Inventors; and (75) Inventors/Applicants (for US only): DALL'AGLIO, Carlo [IT/IT]; Via Brigadiere Lombardini, 5, I-40050 Castello d'Argile (IT). CIPRIANI, Riccardo [IT/IT]; Via G.G. Belli, 12, I-44100 Ferrara (IT). (74) Agent: MINIUCCHI, Silvio; Marposs S.p.A., Via Saliceto, 13, I-40010 Bentivoglio (IT).</p>		<p>(81) Designated States: JP, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published With international search report.</p>

(54) Title: APPARATUS FOR CHECKING THE DIAMETER OF CRANKPINS ROTATING WITH AN ORBITAL MOTION



(57) Abstract

An apparatus for checking the diameter of crankpins (18) of a crankshaft (34) in the course of the machining in a grinding machine comprises a first arm (9) rotating with respect to a support (5) arranged on the grinding-wheel slide (1) of the grinding machine, a second arm (12) rotating with respect to the first, a reference device (20) carried by the second arm and a measuring device (16, 17, 40-45) associated with a reference device. A guide device (21), fixed to the reference device (20), enables the apparatus to engage a crankpin, in the course of the orbital motion of the crankpin, and limit the displacements of the first arm and those of the second arm when a control device (28-30) displaces the apparatus to a rest position.